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<p>(30) Priority:</p> <p>(43) Date of application publication: 19.03.96</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: OSAKA ORGANIC CHEM IND LTD</p> <p>(72) Inventor: TACHIBANA AKIROU KIDO MASAE ITO KAZUKI OKI TAE AZUMA MASAHIRO KUBOTA MINORU</p> <p>(74) Representative:</p>
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(54) METHOD FOR CULTURE-PRODUCING TAXOL

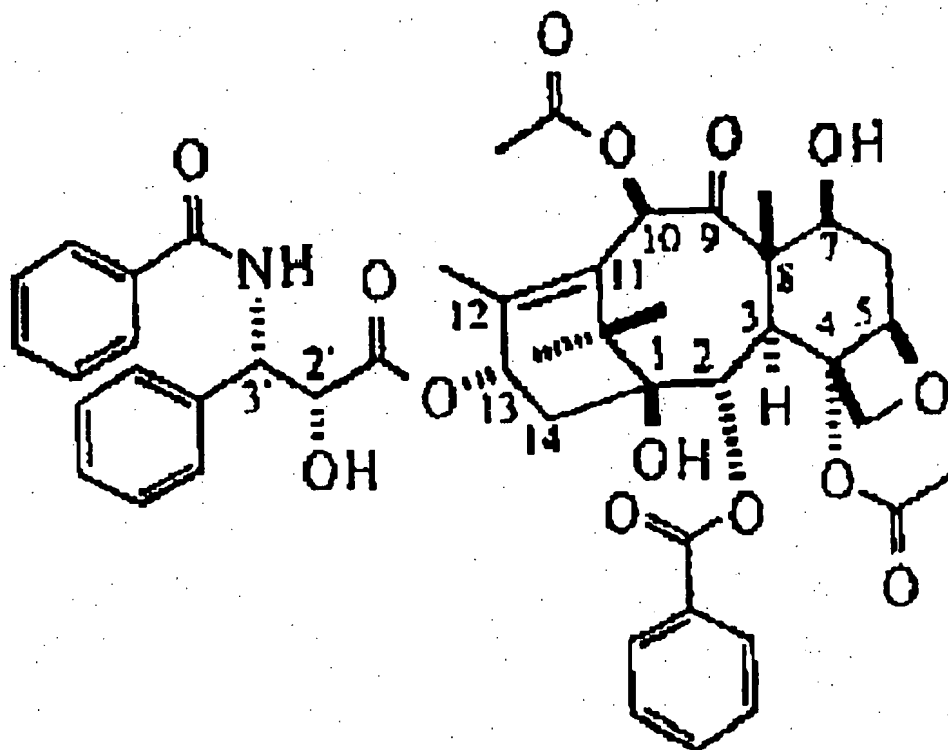
(57) Abstract:

PURPOSE: To massively obtain the taxol exhibiting excellent therapeutic effects for critical ovarian cancer or pulmonary cancer patients in a high yield by culturing a callus induced from a taxol-containing plant in the presence of a chito oligosaccharide.

CONSTITUTION: The method for producing the taxol comprises sterilizing the cut pieces of the stems or leaves of a taxol-containing plant (e.g. Taxus), planting the sterilized cut pieces in a culture medium containing 2,4-dichlorophenoxyacetic acid and kinetin, inducing the cut pieces into calluses in a dark place at 25°C, transplanting the calluses in a culture medium containing a chito oligosaccharide in an amount of 0.25-10mg per g of the fresh calluses, culturing the calluses for 15 days without subjecting to a subculture operation, lyophilizing the cultured calluses, extracting the lyophilized product with a solvent comprising

methanol:water (1:1, v/v) at room temperature, vacuum- concentrating the extraction solution, further extracting the extract with dichloromethane:water (1:1, v/v), and subsequently subjecting the dichloromethane-soluble fraction to a chromatography, thus obtaining the objective taxol useful as an anticancer substance in a large amount and in a high yield.

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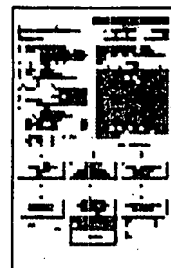
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KIDO MASAE;
ITO KAZUKI;
OKI TAE;
AZUMA MASAHIRO;
KUBOTA MINORU;**☐ Assignee: **OSAKA ORGANIC CHEM IND LTD**
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☐ Family: **None**☐ Other Abstract Info: **CHEMABS 125(01)008706E CAN125(01)008706E DERABS C96-203158
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